

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	27	("4046515" "4153374" "5028142" "5098564" "5133881" "5178754" "5217853" "5360555" "5405538" "5492619" "5525042" "5543064" "5934309" "6019894" "6213002" "6238572" "6261462" "6328901" "6368501" "6413435" "6435078" "6478552" "6491830" "6517715" "6576140" "6582205" "6629652"). pn.	US-PGPUB; USPAT	OR	ON	2007/06/07 14:55
S2	1	"20020088723"	US-PGPUB; USPAT	ADJ	ON	2007/05/29 14:45
S3	917	422/224.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/05/29 14:45
S4	40	S3 and ((oil or grease) same CATALYST)	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:21
S5	34	S4 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/18 16:13
S6	453	S3 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:21
S7	419	S6 not S5	US-PGPUB; USPAT	ADJ	ON	2007/05/29 14:55
S8	102	S7 and motor and (stir\$5 or mix\$5 or baffl\$5 or rotat\$5)	US-PGPUB; USPAT	ADJ	ON	2007/05/29 14:56
S9	30	S8 and catalyst	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:19
S10	294944	(stir\$5 or mix\$5 or baffl\$5) same (motor or power or eletric\$ or mechanic\$)	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:23
S11	6903	S10 and "422".clas.	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:21
S12	260	S11 and ((oil or grease) same CATALYST)	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:21
S13	219	S12 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:21
S14	61881	(stir\$5 or mix\$5 or anchor\$5) same (motor)	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:23
S15	3961463	(stir\$4 or mix\$3 or anchor\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/29 15:24

## EAST Search History

S16	2049199	S15 and (oil or grease or water or waste)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/29 15:26
S17	310358	S16 and (Catalyst)	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:28
S18	913955	S16 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:29
S19	61599	S16 and Catalyst.ab.	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:28
S20	55208	S19 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:29
S21	2	S20 and kitchen.ti.	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:30
S22	1092	S20 and (oil or grease or waste).ti.	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:33
S23	236	S22 not hydrocarbon\$	US-PGPUB; USPAT	ADJ	ON	2007/05/29 15:33
S24	203	(366/265).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/06 08:31
S25	2	S24 and molten adj1 metal	US-PGPUB; USPAT	ADJ	ON	2007/06/06 08:32
S26	2	(US-3961775-\$ or US-4592658-\$). did.	USPAT	ADJ	ON	2007/06/06 08:35
S27	33267	"366".clas.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 10:44
S28	89934	"210".clas.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:03
S29	122320	S27 or S28	US-PGPUB; USPAT	ADJ	ON	2007/06/06 10:44
S30	379	S29 and ((grease oil soap) same (sodium adj1 hydroxide dipropylene adj1 glycol))	US-PGPUB; USPAT	OR	ON	2007/06/06 13:03
S31	354	S30 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:05
S32	175	S31 and (kitchen waste)	US-PGPUB; USPAT	OR	ON	2007/06/06 12:04
S33	73910	"422".clas.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 14:31
S34	188542	S27 or S28 or S33	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:04

## EAST Search History

S35	555	S34 and ((grease oil soap lye) same (sodium adj1 hydroxide dipropylene adj1 glycol))	US-PGPUB; USPAT	OR	ON	2007/06/06 12:04
S36	241	S35 and (kitchen waste)	US-PGPUB; USPAT	OR	ON	2007/06/06 12:20
S37	222	S36 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:20
S38	17	S35 and (kitchen)	US-PGPUB; USPAT	OR	ON	2007/06/06 12:20
S39	15	S38 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:40
S40	93	222/251.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:40
S41	35	S40 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:43
S42	291	222/459,216.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:43
S43	95	S42 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:51
S44	45781	"384".clas.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:50
S45	646	S44 and (stirrer mixer agitator impeller)	US-PGPUB; USPAT	OR	ON	2007/06/06 13:00
S46	550	S45 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:53
S47	3	S46 and reactant	US-PGPUB; USPAT	ADJ	ON	2007/06/06 12:51
S48	551	S45 and (hous\$3 cas\$3 container)	US-PGPUB; USPAT	OR	ON	2007/06/06 12:52
S49	516	S48 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 13:00
S50	33267	"366".clas.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 13:00
S51	9487	S50 and (stirrer mixer agitator impeller)	US-PGPUB; USPAT	OR	ON	2007/06/06 13:00
S52	6892	S51 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 13:04
S53	6701	S52 and (design compris\$5)	US-PGPUB; USPAT	OR	ON	2007/06/06 13:01
S54	2474	S52 and (design)	US-PGPUB; USPAT	OR	ON	2007/06/06 13:02
S55	921	S53 and (cas\$5 hous\$5 container) same (cooking kitchen fat oil grease waste)	US-PGPUB; USPAT	OR	ON	2007/06/06 13:03

## EAST Search History

S56	28	S55 and (sodium adj1 hydroxide dipropylene adj1 glycol)	US-PGPUB; USPAT	OR	ON	2007/06/06 13:03
S57	51	S55 and (sodium adj1 hydroxide dipropylene adj1 glycol lye soap)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:35
S58	51	S57 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 13:26
S59	2787	(cook\$3 waste) with (fat grease oil) same (soap sodium adj1 hydroxide lye soda)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/06 13:41
S60	677	S59 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 14:38
S61	594	S59 and (stirrer mixer agitator impeller)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/06 13:41
S62	5	S59 and (stirrer mixer agitator impeller).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/06 13:41
S63	78431	(stirrer mixer agitator impeller).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/06 13:41
S64	468	S63 and (soap sodium adj1 hydroxide lye soda)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/06 13:42
S65	230	S64 and @ad<"20031217"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/06 13:42
S66	1	"4578246".pn.	US-PGPUB; USPAT	ADJ	ON	2007/06/06 14:31

## EAST Search History

S67	13	("0064099"   "2362734"   "2800398"   "2876082"   "2879143"   "4027859"   "4397561").PN. OR ("4578246").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/06 14:33
S68	0	("422,366,210,222,384").clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/06 14:34
S69	460981	("422" "366" "210" "222" "384"). clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/06 14:34
S70	12349	S69 and (sodium adj1 hydroxide dipropylene adj1 glycol lye soap)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:36
S71	39	S70 and (stirrer mixer agitator impeller).ti.	US-PGPUB; USPAT	OR	ON	2007/06/06 14:36
S72	4332	S70 and (stirrer mixer agitator impeller propeller stirrer baffle\$ shaft)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:37
S73	4332	S70 and (stirrer mixer agitator impeller propeller baffle\$ shaft)	US-PGPUB; USPAT	OR	ON	2007/06/06 14:37
S74	361	S70 and (stirrer mixer agitator impeller propeller baffle\$ shaft).ab.	US-PGPUB; USPAT	OR	ON	2007/06/06 14:37
S75	326	S74 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/06 14:38
S76	3	((("2800398") or ("2876082") or ("2879143")).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/07 14:58
S77	6	("2876082").URPN.	USPAT	ADJ	ON	2007/06/08 07:08
S78	77420	(baffle adj3 plate blade shaft) same (agitat\$3 stir\$5 mix\$5 blend\$5 swirl\$3)	USPAT	OR	ON	2007/06/08 08:41
S79	8911	(baffle adj3 plate blade shaft) same (agitat\$3 stir\$5 mix\$5 blend\$5 swirl\$3) same (oil grease waste)	US-PGPUB; USPAT	OR	ON	2007/06/08 07:12
S80	382	(baffle adj3 plate blade shaft) same (agitat\$3 stir\$5 mix\$5 blend\$5 swirl\$3) same (oil grease waste) same (catalyst reactant sodium adj1 hydroxide dipropylene adj1 glycol lye soap)	US-PGPUB; USPAT	OR	ON	2007/06/08 07:51
S81	328	S80 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 08:43
S82	8754	saponificat\$5 same react\$3	US-PGPUB; USPAT	OR	ON	2007/06/08 07:49
S83	146	(saponificat\$5 same react\$3).ab.	US-PGPUB; USPAT	OR	ON	2007/06/08 07:49
S84	134	S83 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 07:49

## EAST Search History

S85	2212	(baffle adj3 plate blade shaft) same (agitat\$3 stir\$4 mix\$3 blend\$3 swirl\$3) same (oil grease waste) same (catalyst reactant sodium adj1 hydroxide dipropylene adj1 glycol lye soap)	USOCR; FPRS; EPO; JPO	OR	ON	2007/06/08 07:59
S86	119	(baffle adj3 plate blade shaft) same (agitat\$3 stir\$4 mix\$3 blend\$3 swirl\$3) same (oil grease waste) same (catalyst reactant sodium adj1 hydroxide dipropylene adj1 glycol lye soap) and saponificat\$5 same react\$3	USOCR; FPRS; EPO; JPO	OR	ON	2007/06/08 08:18
S87	5228	(grease waste) with (hous\$3 cas\$3 container body) with plastic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:27
S88	50	(grease waste) with (hous\$3 cas\$3 container body) with plastic same reactor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:35
S89	42	S88 and @ad<"20031217"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:48
S90	77863	plastic adj1 (hous\$3 container body reactor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:37
S91	1722	plastic adj1 (hous\$3 container body reactor) same (grease waste soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:38
S92	14	plastic adj1 (hous\$3 container body reactor) same (grease waste soap) same (baffle adj3 plate blade shaft) same (agitat\$3 stir\$4 mix\$3 blend\$3 swirl\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:39

## EAST Search History

S93	6	S92 and @ad<"20031217"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:39
S94	400	z adj3 (baffle plate blade shaft) same (agitat\$3 stir\$5 mix\$5 blend\$5 swirl\$3)	USPAT	OR	ON	2007/06/08 08:42
S95	572	z adj3 (baffle plate blade shaft) same (agitat\$3 stir\$4 mix\$3 blend\$3 swirl\$3)	US-PGPUB; USPAT	OR	ON	2007/06/08 08:43
S96	456	S95 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 08:44
S97	22	cooking adj1 (grease oil fat) same (waste with (oil grease)) same (soap kye soda sodium adj1 hydroxide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:47
S98	17	S97 and @ad<"20031217"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/06/08 08:53
S99	381348	(pump motor agit\$3 mix\$3 stir\$4) same (z adj1 shap\$3 baffle shaft)	US-PGPUB; USPAT	OR	ON	2007/06/08 08:56
S10 0	18232	S99 and ("422" "366" "210").clas.	US-PGPUB; USPAT	OR	ON	2007/06/08 08:52
S10 1	16775	S100 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 08:57
S10 2	6117	S101 and react\$3	US-PGPUB; USPAT	OR	ON	2007/06/08 08:55
S10 3	5693	S101 and (reactor reaction)	US-PGPUB; USPAT	OR	ON	2007/06/08 08:55
S10 4	361675	(pump motor agitator mixer stirrer) same (z adj1 shap\$3 baffle shaft)	US-PGPUB; USPAT	OR	ON	2007/06/08 08:56
S10 5	272	(pump motor agitator mixer stirrer) same (z adj3 (baffle shaft))	US-PGPUB; USPAT	OR	ON	2007/06/08 09:00
S10 6	231	S105 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 09:01
S10 7	3	(pump motor agitator mixer stirrer) same (z adj1 shaped adj1 (baffle shaft bearing))	US-PGPUB; USPAT	OR	ON	2007/06/08 09:02
S10 8	3	S107 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 09:02

## EAST Search History

S109	23	(z adj1 shaped adj1 (baffle shaft bearing))	US-PGPUB; USPAT	OR	ON	2007/06/08 09:02
S110	22	S109 and @ad<"20031217"	US-PGPUB; USPAT	OR	ON	2007/06/08 09:02
S111	22	((("3487439") or ("2876082") or ("4772434") or ("5908377") or ("3886087") or ("4578246") or ("5823673") or ("5102229") or ("4737263") or ("4082057") or ("4671892") or ("4609430") or ("4707288") or ("2879143") or ("2876082") or ("4792416") or ("5795732") or ("3729174") or ("4108768") or ("4219417") or ("4101563") or ("20020179525") or ("4574850"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/18 16:08
S113	0	sodium hydroxide same weight same (soap grease oil)	US-PGPUB; USPAT	ADJ	ON	2007/06/18 16:10
S115	682327	(sodium hydroxide same weight same (soap grease oil))	US-PGPUB; USPAT	OR	ON	2007/06/18 16:12
S116	54455	S115 and ("366" "422" "210" "430").clas.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:12
S117	16142	S115 and ("366" "210").clas.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:12
S118	4369	(sodium adj1 hydroxide same weight same (soap grease oil))	US-PGPUB; USPAT	OR	ON	2007/06/18 16:29
S119	320	S118 and ("366" "422" "210" "430").clas.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:30
S120	187	S119 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/18 16:30
S121	59	S120 and (soap detergent)	US-PGPUB; USPAT	OR	ON	2007/06/18 16:28
S122	0	S121 and dipropylene adj1 glycol	US-PGPUB; USPAT	OR	ON	2007/06/18 16:28
S123	9	S120 and dipropylene adj1 glycol	US-PGPUB; USPAT	ADJ	ON	2007/06/18 16:29
S124	1509	(dipropylene adj1 glycol) same weight same (soap grease oil detergent)	US-PGPUB; USPAT	OR	ON	2007/06/18 16:31
S125	1243	S124 and @ad<"20031217"	US-PGPUB; USPAT	ADJ	ON	2007/06/18 16:30
S126	30	S125 and ("366" "422" "210" "430").clas.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:30
S127	34	S124 and soap.ab.	US-PGPUB; USPAT	OR	ON	2007/06/18 16:31



## EAST Search History

S12 8	1	"4555345".pn.	US-PGPUB; USPAT	ADJ	ON	2007/06/19 12:23
S12 9	1	"3487439".pn.	US-PGPUB; USPAT	ADJ	ON	2007/06/19 12:23